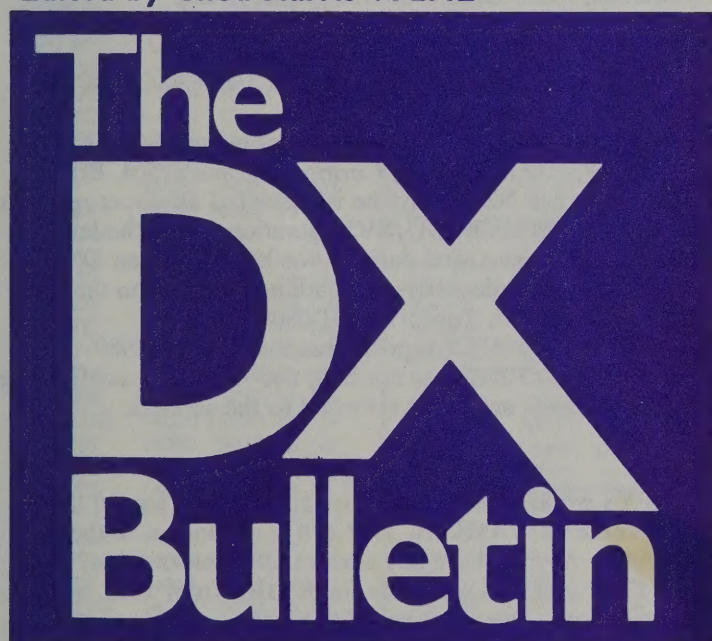


Walvis Bay - ZS1 Bill Shipp KC1AG will lead a two-week DXpedition to Walvis Bay, beginning August 27, using the callsign **ZS1IS**. Watch usual DX frequencies on 10-20 meters, CW, SSB, and RTTY. QSLs for this DXpedition only go to KC1AG, or Europeans via F6HIZ. (Other ZS1IS cards go direct to Ian Sutherland at Box 2327, Walvisbaai 9190, Republic of South Africa. Don't send IRCs.) Donations are requested via KC1AG. An application for separate DXCC status for Walvis Bay is pending before the DX Advisory Committee.

Burkina Faso - XT Rudolf Klos DK7PE will try to get a license as **XT2CW** or **XT2XX** Aug. 6-12 from this rare African spot, formerly Upper Volta. Mostly CW on 1832, 7005, 3505, and 14025 kHz, listening up two kHz. QSL home call: Kl. Untergasse 25, D-6501 Nieder-Olm, West Germany.

Edited by Chod Harris VP2ML



America's Premier Weekly Amateur Radio Publication

Aruba - P4 Vern Dameron K1DRN will operate 20-meter SSB from Aruba August 2-9. Callsign unknown at this time. QSL home call.

Montserrat - VP2M Bob VE3IKM is presently active as **VP2MAM**, and he will be joined by Dave VE3NN as **VP2MDS** July 29, with operation to Aug. 5. Mostly 20 meters. QSL home calls, and not to the VP2M bureau.

American Samoa - KH8 Mitumasa Uto JH1IFF will be on as **N2HNO/KH8** August 7-13, accompanied by Hiro **KH8/JA4RED**. 80-6 meters, including WARC bands. CW 25 kHz up. QSL Mitumasa direct at 681 Tatsukawa, Sanyo, Akaiwa, Okayama 709-08, Japan, and Hiro via the Okayama DX Club, P.O.Box 49, Okayama Central, 700-91, or either via the Japan Bureau.

Shortly Noted

- Mine Sugiyama JA2NQC will operate as **KC6MS** from the Federated States of Micronesia (ex-Eastern Carolines) in early September, concentrating on 6 meters. He hopes to get on from Saipan, Guam, Marshall Islands, Tuvalu, or Lord Howe Island on the trip, again mainly on 6 meters. QSL Box 5, Ninomiya, 259-01 Japan.
- **Oblast DXpeditions: UW4HR/UL4L and UW4HM/RL4L** are on to August 1 from Oblast 026. QSL UW4HR to Box 2904, Kuibyshev 443114, and UW4HM to Box 8267, Kuibyshev 443067, USSR. Also, Oblast 014 will be active Sept. 6-20, by **UA3EAC/RF5Q, UW3DM/RF8Q, UA3LAR/RF9Q, and RB5FT/RF1Q**. QSL UA3EAC and UA3LAR via their *Callbook* addresses, UW3DM via Box 13, Serpukhov 5, 142205, and RB5FT via Box 37, Odessa 65, 270065, USSR. They may also be on as **4L0Q**.
- Peter **ZS8MI** is often on 14050 kHz at 1000Z, and moves to 28050 or 28390 kHz at 1500Z or so. Other spots to watch are 14212 or 14155 kHz at 1200Z, and 21300 kHz at 1500Z. On Monday, he checks in with KD0JL on 7045 kHz, listening 7215 kHz, 05-0600Z.
- Madeira CT3 will be easy in CQWW this year. SM5GMG will single-op in a shot at the world's record in both modes, and **CR3A** will be a major multi-multi operation in CW.
- **KA9KAI/HR2** is a missionary who likes 75 and 80 meters. QSL KK9G.
- Tom Warren 5H3TW has a license as **J20TW**, and will be on soon, as work permits. QSL K3ZO.
- **KN0E/KH3** is back on Johnston Island, to mid-September. Try 15 meters at 0500Z. QSL K9UIY.
- Pita Aisake, a member of the family that hosted the 3D2XX Rotuma operation, has passed his amateur exam, and will be active soon, perhaps as **3D2AP**.
- Iceland is sporting a new prefix: **TF9CW** is TF3CW.
- Jackie F2CW is active as **CN8ST**. QSL home call.
- John YB0AX runs a DX net Wednesdays and Sundays on 21300 kHz 14-1600Z for North America, and 16-1800Z for Europe, with rare YBs: YB9, YC4, etc.
- Regulars (callsign, frequency or band, UTC): **9M2ZA** 14032 10-1200Z; **9Q5DX** 14023 0600Z; **A41JV** 14012 long path 1300Z, and 21016 0300Z; **BY4RB** 14030 or 21031 12-1300Z; **OY1CT** 20M CW 0000Z; **P29PL** 20M CW 1100Z; **UG6GAW** 14004 0200Z; **4K0F** 14175 1100Z; **3B8CF** 21030 0300Z; **8R1J** 15M CW 2130Z; **UJ8KA** 21006 0130Z; **A92BE** 15M SSB often; **FH8CB** 21325 0400Z and 10M SSB 1230Z; **J28CB** 21280 0200Z; **JT1KAA** 15M SSB 0000Z; **S92LB** 21280 2000Z Monday; **SU1EK** 15M SSB 0030-0300Z; **T32AF** 21240 0300Z; **T5CT** 15M SSB 0400Z; **VU2WAP** 21295 0000Z; and **J52US** 28495 1200Z.
- SSB net check-ins: 7159 kHz: KC4USV CE0DFL VK0GC; 14160 kHz: 9K2CS TU2UI; 14222 kHz: 3D2XV T30BC HH2V VK9LH H44JL VK0GC; 14227 kHz: TA3F A22BW HS0B VQ9AA KG6SL KC6JC V85HG 1Z9B BY4RSA; 14250 kHz: JY5RBM 9J2US YK1AO 9K2MJ A61AB; 14256 kHz: FO5LZ TT8CW 3A2EE TT8DX 9K2MJ J28DN; 21335 kHz: 9J2BO ZC4AB 9K2KP A92BE.
- RTTY active stations: **9J2AL** 21093 1600Z; **V85GA** 21073 FEC 2150Z; **HV3SJ** 14096 0020Z; **S79D** 28090 1700Z.

Propagation

Forecast and Historical Data

Day	Forecast	27 Days Before	55 Days Before
July 1989		Date Flux A K	Date Flux A K
28	High Normal	7/01 199 16/23 4	6/03 200 11/20 3
29	Above Normal	7/02 189 06/10 1	6/04 218 11/18 2
30	Above Normal	7/03 191 03/07 1	6/05 209 08/12 3
31	Above Normal	7/04 184 02/07 0	6/06 211 14/12 3
August 1989			
01	High Normal	7/05 181 13/14 4	6/07 201 30/35 3
02	High Normal	7/06 189 14/16 3	6/08 218 19/20 5
03	Above Normal	7/07 186 09/11 0	6/09 236 21/28 3
04	Above Normal	7/08 183 02/06 1	6/10 266 42/64 5
05	Above Normal	7/09 185 06/09 1	6/11 266 16/22 3
06	High Normal	7/10 177 15/14 2	6/12 284 17/19 3
07	Above Normal	7/11 186 05/07 1	6/13 309 14/17 3

Propagation Watch

The excellent band conditions have continued for another week. Solar flux has remained in the 180-200 range for another week, and the geomagnetic field is very quiet. This combination spells good DXing, especially on 15, 18, and 20 meters.

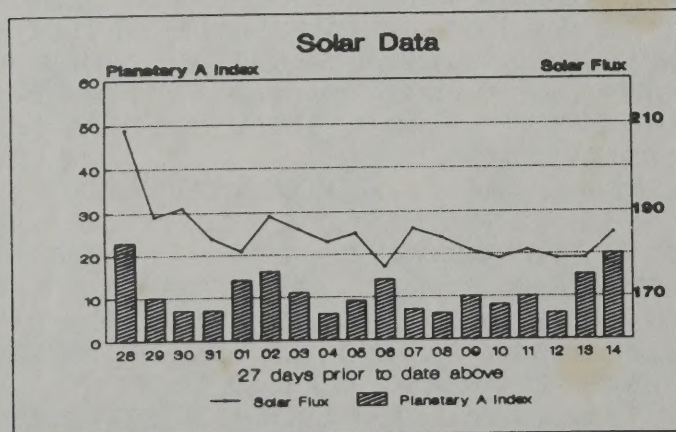
The solar flux is high enough to put the daylight maximum usable frequency (MUF) above 21 MHz, sometimes just above that figure. When the MUF is just above 21 MHz, the 15-meter band is open worldwide, with very strong signals. At night, the mUF drops to just above 14 MHz, producing the same conditions on 20 meters. For the best long-haul DX, operate just below the MUF.

The MUF is occasionally getting as high as 28 MHz, and we are beginning to see good 10-meter openings. As the days shorten in the northern hemisphere, the MUF will continue to rise, and 10 and 12 meters will be the best DX bands. Don't ignore 10 meters simply because you don't hear any DX; try a CQ in the direction of the sun.

Meanwhile, try 20 meters at local dawn, again at sunset, and at night. During daylight hours, 15 meters continues to provide the bulk of the DX, and remains open well after local sunset. 40 meters also has some good DX, especially late and night, and around local dawn.

6 meters has been very good lately, with multiple-hop sporadic E. East coast stations have worked Europe and South America, and LU1DMA reports working a station in Norway for country number 100 on the Magic Band.

Band conditions can change at any time, due to an increase in solar activity that disturbs the earth's geomagnetic field. Keep an ear on WWV at 18 minutes after the hour, or on WWVH at 45 minutes after the hour, for the latest news.



QSL Information

- QSLs for the **TT8CW** operation by F3CW, and for the **CN8ST** operation by F2CW go to Jackie Calvo F2CW, Le Bois de L'Essard, Nercillac, F-16200 Jarnac, France.
- The first 10,000 **KP2A/KP5** QSLs have been sent out, and all direct QSL requests are up to date, according to manager N6CW. Terry says he is getting out of the QSL managing operation after 13 years, and says to QSL John KP2A direct, as of May 20, 1989.
- **RJ7R/UL8JCQ** and other UJ/RJ stations can be confirmed via the Tajik DX Club, P.O.Box 1102, Dushanbe 734032, Tajik SSR, USSR.
- The 1981 **OH0XX/OJ0** operation and the 1985 **C53AA** operation can be confirmed via OH0XX/EA, Olli Rissanen, Cerro del Castañar 72, 28034 Madrid, Spain.
- **VP5P** in the CQ WPX is QSLed via WN5A.
- **9M2PIC** after May, 1989, is via Yas. Tanaka JH1DLJ, 733 Motoyoshida, Mito-City 310, Japan.
- **EO6AAS, EX3TM, RK50, ERSU** and **EM5T** are all via Jerry Onipko UT4UZ, P.O.Box 7851, Kiev 58, USSR.
- **CP6XK** prefers cards via a Brazilian address: P.O.Box 145, Corumbá, Mato Grosso do Sul, 79300, Brazil.
- The recent **KG4UN** operation is via the 1989 *Callbook* address of K8UNP.
- **LP2U** and **LU5UL** are via P.O.Box 166, 6300 Santa Rosa, La Pampa, Argentina.
- The recent **ZY0TA** Trindade operation was by Nei PY5AKW, P.O.Box 19024, Curitiba, Paraná 81504, Brazil.
- Bob Schenck N2OO says he is answered all direct requests for cards from his **N2OO/SV5** operation from Rhodes. He anticipates an increased demand for his QSL when DXers hear about the indecently-clad bathing beauties on the card. QSL P.O.Box 345, Tuckerton NJ 08087.
- Joe Pater WB8CEX reports that the May 30, 1989 operation of **ZF2NF** was not him, and he cannot confirm the contacts. Cards are being returned to the senders.

QSL Help Wanted

- I1PYS worked **VA9HCS** in June, 1975, and logged the QSL route as WA1HAA. That call is not longer in the *Callbook*. Anyone have any current QSL information?
- W1TSP seeks a QSL route for **KT1BB** from 1952, in the Tangier zone. Operator was N.H.Black.
- DF7FT does not have any logs for BV2DA's **XW8BP** operations. Does anyone have QSL info on XW8BP?
- H4SHR also seeks a QSL route for the 1981-82 **ZK2JS** operation. (WB2JCE has logs for the 1987-89 operation only.)
- W5MAG needs help with a QSL from HA6PX.
- WB5MTV has no success getting a card from PY2BTR for the 1987 **ZY0TJ** Trindade operation. Any ideas?
- K9APW looks for help with **J6LNT** (Sept. 1988), **UK6GAE** (August 1976), **VR1AH** (July 1976), **9K2DR** (Jan. 1989), and **9Y4DA** (Sept. 1988.)
- KK2I has no luck getting a QSL from **ZL8OY**. Neither the information in the W6GO/K6HHD list, nor the Wellington, New Zealand address have produced results. Any help?
- **VK9ZR** on Mellish Reef in 1982 said to QSL via **VK2BJL**, but no reply to two SASEs. Any suggestions?
- NC1E needs help with **ZB2SS** in May, 1988, **UF6FII** Feb. 1988, and **TT8MY** August, 1988.
- KM7E seeks QSL routes for **OD5SV** and **Scotty C53EK** from 1983.

B . A . N . D . P . A . S . S

Key to Bandpass: Callsign, frequency, UTC, day of the month, state. * = long path. P = packet.
All "portable" calls listed with country of operation first, regardless of format used on the air.

RTTY					BV2FA					14208					1453					16					OR					TL8RM					21019					1404					9					MA					V85GA					21237					1807					11					EU																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
CN8EL	21084	1825	15	CA	BY1QH	14186	1100	4	MI	BY4RB	14190	1159	13	CO	UA1O/	21010	0230	17	CA	UA0BEZ																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													

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Calendar

Issue 498 - July 28, 1989

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(Changes and hot info in boldface.)

American Samoa - KH8 N2HNO/KH8 Aug. 7-13 I498
 Amsterdam Island FT4ZE 14005 kHz 1330Z I497
 Armenia - UG6 UG6GAW 14004 0200Z I498
Aruba - P4 20M SSB by K1DRN Aug. 2-9 I498
 Ascension Island ZD8 ZD8SE 21015 2100Z I497
 ZD8PJ 28513 2000Z I497
Bahrain - A9 A92BE 15M SSB often I498
 Botswana - A2 A22AA 28470 1100Z I497
 Bouvet - 3Y In December? I497
Burkina Faso - XT XT2CW/XX by DK7PE Aug. 6-12 I498
 Chad- TT TT8CW 21010 1530Z I496
 Chagos - VQ9 VQ9DM 21300 1500Z I497
 China - BY BY4RB 14030 1230, 21032 1300Z I498
 Christmas Is. - T32 T32AF 21240 kHz 0300Z I498
 Conway Reef - 3D Nov. 3-13 by OH1RY et al I492
Djibouti - J2 J28CB 21280 0200Z I498
Eastern Carolines KC6MS on 6 meters Sept. I498
 East Malaysia - 9M8 9M8STA Aug. 5-6 I497
 Egypt - SU SU1EE 21038/21330 02-0500Z I497
 SU1EK 15M SSB 0030Z I498
Faroës - OY OY1CT 20M CW 0000Z I498
 Fernando - PY0F PY0FF 28400 0930-1100Z I496
 Franz Josef Land UA0BDU/UA1O 20M CW 0000Z I496
 Guinea-Bissau - J5 J52US 28495 1200Z I498
Guyana - 8R 8R1J 15m CW 2130Z I498
 India - VU VU2WAP 21295 0000Z I498
ITU - 4U1ITU by DK4OK et al Aug. 2-7 I496
 multi-multi CQWW CW I497
 Johnston Is. - KH3 KN0E/KH3 15M CW 0430Z I497
Malta - 9H 9H1IN by HB9DLE July 26-Aug 3 I492
 Marion Island - ZS8 ZS8MI 14050 1200Z, 21223 0600Z
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 3B8CF 21030 0300Z I498
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 Mayotte - FH RA9AD/JT Sun. 14260 01-0300Z I497
 Mongolia - JT JT1KAA 15M SSB often I497
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 138 UA0I UV3DDC to September I494
 014 RF8Q UW3DM September I498
 UA3EAC/RF5Q September I498
 Pakistan - AP AP2AD 21282 0200Z I497
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 Reunion Is. - FR FR4FD 20M CW 1330Z I497

Rodriguez - 3B9 3B9FR 14195 1100Z long path I491
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 St. Kitts - V4 CQWW SSB M/S operations I496
 Sao Tome - S9 S92LB 21280 2000Z Mon. I498
 Saudi Arabia - HZ HZ1AB 21225 1730Z I495
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 Swaziland - 3DA0 3DA0AV 14200 1200Z LP I496
 Syria - YK YK1AO 20M CW 0230Z I497
 Tadzhik - UJ UJ8KA 21006 0130Z I498
 Thailand - HS HS0B 14210 1300Z I497
 Vanuatu - YJ YJ8JS 20M SSB 11-1200Z I496
 Walvis Bay - ZS1 ZS1IS 28610 1600Z Sundays I496
 ZS1IS Aug. 27-Sept. 10 I498
 West Malaysia - 9M2 9M2ZA 14032 10-1200Z I498
 Zimbabwe - Z2 Z21FN 14025 long path 1300Z I497
 Zone 23 RV0YF 21012 01-0330Z I497

DX Activities and Contests

Date	Event or Activity	Info
July 29-30	Venezuela CW Test	CQ
August 1	Most Wanted Surveys Due	I495
August 12-13	European CW Test	CQ
August 19	SATRG RTTY Contest	CQ

Contributors

This Issue of The DX Bulletin would not have been possible without the invaluable assistance of the following: KH6BZF, SESC, AA4NC, AB8K, G6LAU, K0CVD, K0KES, K1JKS, K1NIT, K1VSJ, K2EK, K2OLG, K4BAI, K4II, K4XO, K6SIK, K7ABV, K8CV, K8TDJ, K9LJN, KA1WR, KA1XN, KA3TGY, KA4YAE, KB0VQ, KC8FS, KC9AL, KD7SO, KI4TF, KI8W, KJ4BK, KJ4GK, KJ8M, KQ3S, KV4AM, KY0A, N1DYI, N4MAD, N4RJZ, N4VA, N4XR, NX7K, VE1ACK, VE1YX, VE3NN, W1BFT, W1CYB, W1HH, W1OT, W4PSJ, W4VQ, W6AUG, W6JOX, W6UQF, W7AAY, W7JA, W8MEP, W9DH, WA1NPZ, WA3EEE, WA6CTA, WB4OSN, WB8SFF, WB8ZRL, WC6I, WD9GGY, WI8W, WI9Z, WJ7R, JA2NQC, JH4IIF, K0PP, KA6A, KC7V, W5SUV, KD0JL, W8CT, W9RYJ, KC1AG, DK7PE, K3NA, KK9G, UA3EAC, K1YDG, K1DRN, W1AW, DXNS, and NCDXC. (Thanks a lot! -ed.)